Network Camera

VB-M40 and VB-M40B

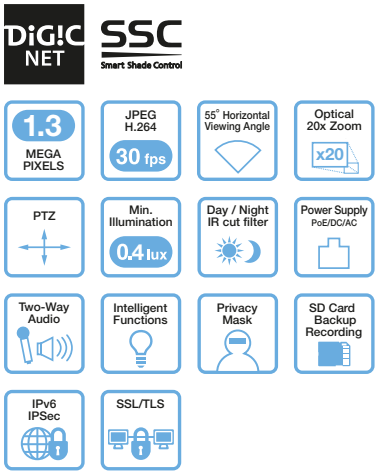
you can

Intelligent camera for mid to high end security & monitoring applications.

The VB-M40 and VB-M40B pan tilt zoom network camera offers 1.3 Megapixel, 20x optical zoom with superior low-light performance and embedded video content analytics. Flexible installation options with indoor and outdoor domes.

Key features

- Two colour options: Silver (VB-M40) and Black (VB-M40B)
- 1.3 Megapixel PTZ camera
- High colour reproduction and low noise through use of Canon DIGIC NET and CMOS technology allowing Motion JPEG & H.264 at 1280 x 960 pixels at 30 fps
- Unrivalled low-light performance in colour at 0.4 lux & B/W at 0.01 lux
- Best in class lens specification in compact body - 20x optical zoom AF Lens with 55.4 degree wide angle of view (F-number F1.6 to F3.5)
- Up to 15 embedded video content analytics functions that can run in parallel
- IR cut filter Day/Night Function
- Efficient power usage
- Full duplex audio and external device connectivity
- ONVIF compliant
- Privacy Mask Function and built-in SD memory card slot.



NETWORK CAMERA

ONVIF

Canon

VB-M40/B

Specifications

IMAGE SENSOR	
Type	1/3 inch CMOS with primary colour filter
Number of Pixels	Approx. 1.3 million pixels
Scanning System	Progressive
OPTICS	
Zoom Magnification & Control	20x powered zoom lens with Auto Focus (plus 4x digital zoom)
Focal Length	4.7mm (wide) – 94mm (telephoto)
Horizontal Field of View	55.4° (wide) – 2.8° (telephoto)
Lens F-Number	f/1.6 – f/3.5
Minimum Subject Illumination	Day Mode: 0.4 lux (Colour, f/1.6 at 1/30 sec) [1] Night Mode: 0.01 lux (Mono, f/1.6 at 1/30 sec) [1]
Focus Control	Auto / One-shot AF / Manual / Fixed at infinity (for dome)
Focusing Region	Day Mode: 0.3 m – infinity (wide) / 1.0 m – infinity (telephoto) Night Mode: 1.0 m – infinity (wide) / 1.2 m – infinity (telephoto)
Shutter Speed	1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60 (Standard), 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000 sec
White Balance	Auto / One-shot / Preset / Manual
Imaging Modes	Day Mode, Night Mode (Auto / Manual / Scheduled)
Optical Measurement System	3 options: Centre-weighted / Average / Spot Metering
Backlight Compensation	7 levels
Shade Correction	7 levels
Image Stabilizer	Electronic (ON1 / ON2 / OFF)
SERVER UNIT	
Video Compression Method	H.264, JPEG
Video Output Size	JPEG: 160 x 120, 320 x 240, 640 x 480, 1280 x 960 H.264: 320 x 240, 640 x 480, 1280 x 960
Frame Rate	JPEG: 30 – 0.1 fps [2] H.264: 30/15/10 fps [2]
Simultaneous Distribution	JPEG: Max. 30 Clients + 1 Admin Client H.264: Max. 10 Clients
Audio Communication	Full-duplex
Audio Compression Method	G.711 µ-law (64Kbps)
Supported Protocols	IPv4: TCP/IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (Client), DHCP (Client), DNS (Client), ARP, ICMP, POP3, NTP, SMTP authentication, WV-HTTP (from Canon), ONVIF IPv6: TCP/IP, UDP, HTTP, FTP, SMTP (Client), DNS (Client), ICMPv6, POP3, NTP, SMTP authentication, WV-HTTP (Canon), ONVIF
Encrypted Communications	SSL/TLS, IPsec (Auto Key Exchange/Manual)
Privacy Mask	Max. 8 masks. Number of mask colours: 1 (select from 9 colours)
Camera Access Control	User name and password / Host-based access control (IPv4, IPv6)
Camera Access Levels	3 user levels: Administrator / Authorized User / Guest User
Event Notification	HTTP/SMTP (e-mail)

EMBEDDED ANALYTICS	
Video Content Analytics	Moving Object Detection, Removed Object Detection, Abandoned Object Detection and Camera Tampering Detection (Max of 15 detections per camera)
Audio	Volume Detection
CONNECTORS	
Network Interface	RJ-45, 100Base-TX (Auto / Full duplex / Half duplex)
Audio Input (Mic / Line In)	3.5mm mono mini-jack
Audio Output (Line Out)	3.5mm mono mini-jack
External Device I/O Terminals	2 x Inputs / 2 x Outputs
Memory Card	SD Memory Card, SDHC Memory Card Compatible. Max. 32 GB, Frame Rate: Max. 1fps
MECHANISMS	
Pan Angle Range	340° (±170°)
Tilt Angle Range	100° (Ceiling-mounted position: -90° – 10°)
Maximum Rotation Speed	Pan: Max. 150°/sec, Tilt: Max. 150°/sec
Infrared Cut Filter	Power-driven insertion and removal (Day / Night Modes)
Preset Positions	20 presets (Preset tour capable)
RATINGS	
Dimensions (W x H X D)	132mm x 155mm x 132mm
Weight	1150 g
Power Sources	Power over Ethernet (48V DC, Conforms to IEEE 802.3af) 100V – 240V AC, 50/60Hz (via optional AC Adaptor) 12V DC or 24V AC (via supplied two-pin connector)
Power Consumption	PoE: Max. approx. 9.8 W / AC adapter PA-V17: Max. approx. 12.5 W / DC Input: Max. approx 10.6 W / AC Input: Max. approx. 9.8 W
Operating Environment	Temperature: -10°C to +50°C, Humidity: 20% to 85% RH
WHAT'S IN THE BOX	
	Canon Network Camera VB-M40 (Silver/Black), CD-ROM* Power Connector, Installation Guide, Warranty Card (European), Leaflet of Warranty Card. *Bundled software (included on the CD-ROM) enables monitoring and recording of up to four cameras.

[1] Use of the optional smoked indoor dome housing increases minimum subject illumination.

[2] The frame rate may be reduced due to the number of clients accessing the camera at the same time or due to limitations of the Viewer PC and network being used.

All data is based on Canon's standard testing methods. This Leaflet and the specifications of the product have been developed prior to the date of product launch. Specifications are subject to change without notice.
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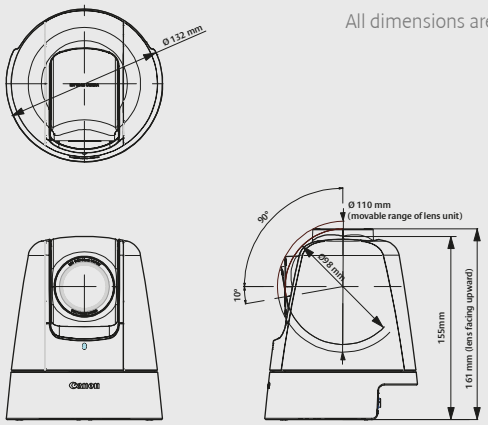
Dimensions

All dimensions are in mm



Connectivity

1. **Network Interface** RJ45, 100Base-TX (Auto / Full-duplex / Half-duplex)
2. **Power Connection Terminal** 12V DC / 24V AC
3. **Audio Input** 3.5mm mono mini-jack
4. **Audio Output** 3.5mm mono mini-jack
5. **External Device I/O** 2 x Inputs / 2 x Outputs

Optional Accessories

AC Power Supply PA-V17 (Europe)
AC Power Supply PA-V17 (Great Britain)
Indoor Dome Housing Clear DR40-C-VB
Indoor Dome Housing Smoked DR40-S-VB
Ceiling Mount Cover Black SS40-B-VB
Ceiling Mount Cover Silver SS40-S-VB
Video Recording Software RM-9
Video Recording Software RM-25
Video Recording Software RM-64

Indoor Clear & Tinted Recessed Dome

Outdoor Clear & Tinted Dome with and without Sunshield (vareity of colour options)

Indoor and Under Canopy Clear & Tinted Dome and Vandal Resistant Dome

For more detailed accessory information please refer to the accessory sales sheet.

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